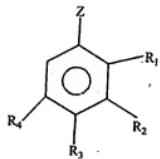


In The Claims

1. (Presently Amended) A molecular composite composed of a core molecule having one or more active sites, and having a plurality of smaller molecular weight labile residues reversibly attached to the core molecule, the attachment of said labile residues causing an alteration of the ability of the core molecule's ability to provide the an activity associated with said active site or sites, the labile residue or residues being dissociable from the core molecule by exposure of the molecular composite to electromagnetic energy so as to result in at least restoration of the activity associated with said active site (s).

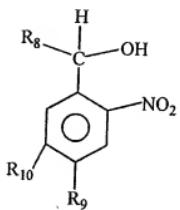
2. to 14. (Previously Canceled).

15. (Previously Amended) The composite according to claim 1 wherein the electromagnetically labile residue comprises:



wherein R₁ = NO₂; R₂ =H; R₃ =H or OCH₃ and R₄ =H or OCH₃; and Z is CH(R₅) OH- with R₅ =H, CH₃, C₂H₅ or phenyl.

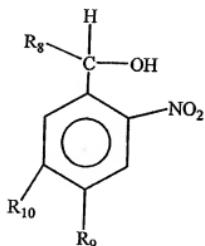
16. (Previously Amended) The composite according to claim 1 wherein said electromagnetically labile residue comprises



wherein R₈ = H, CH₃, C₂H₅ or phenyl; and R₉ and R₁₀ are, independently, H or -OCH₃, or sites for irreversible protein or antibody coupling.

17. (Cancelled)

18. (Previously Amended) The composite according to claim 1 wherein said electromagnetically labile residue comprises



with R₈ = H, CH₃ or C₂H₅ and R₉ and R₁₀ = OCH₃.

19. (Presently Amended) An antibody to which is attached a labile residue or residues which reduce the ability of the antibody's ability to bind to its binding partner, the labile residue or residues being able to be disassociated from the antibody by exposure to electromagnetic radiation to restore binding ability of the antibody.

20. (Previously Amended) The composite according to claim 1, wherein the labile residue is 2-nitrobenzyloxycarbonyl.
21. (Previously Presented) The antibody according to claim 19 wherein the labile residue or residues is 2-nitrobenzyloxycarbonyl.
22. (Previously Presented) The composite according to claim 1 wherein the electromagnetic radiation is visible or uv light.
23. (Previously Presented) The antibody according to claim 19 wherein the electromagnetic radiation is uv light.